F I G. 1 A SECTIONAL VIEW

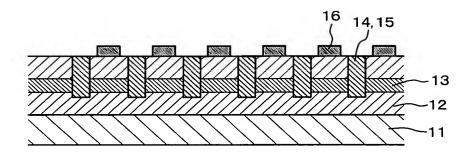


FIG. 1B

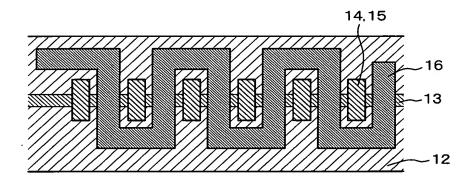


FIG. 2A
SECTIONAL VIEW

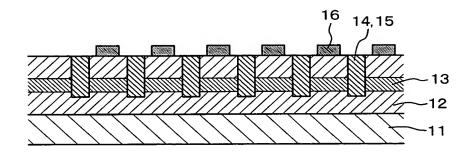


FIG. 2B
TOP VIEW

14,15

16

13

FIG. 3A
SECTIONAL VIEW

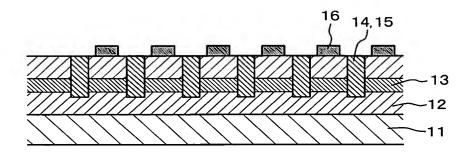


FIG. 3B

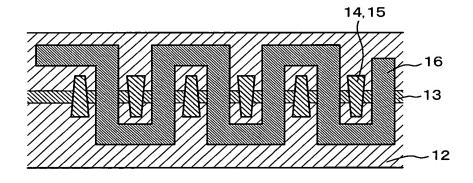


FIG. 4A
SECTIONAL VIEW

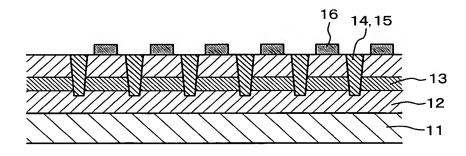
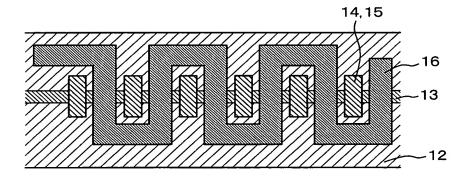
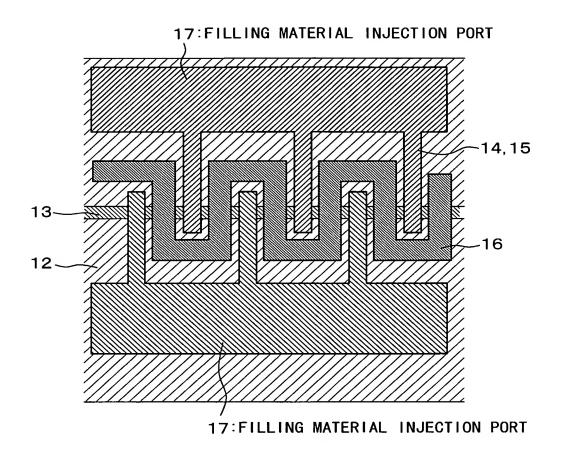


FIG. 4B



F I G. 5



F I G. 6

24

FIG. 8A
SECTIONAL VIEW

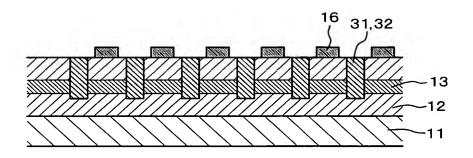


FIG. 8B

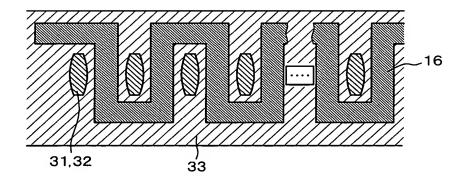


FIG. 9A

SECTIONAL VIEW

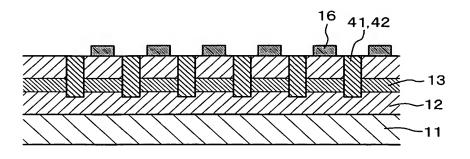


FIG. 9B

TOP VIEW

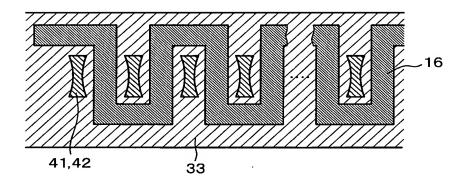
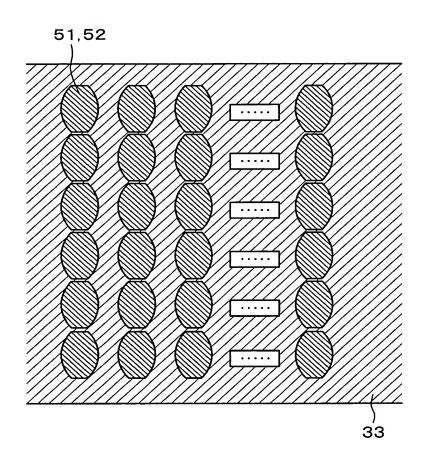
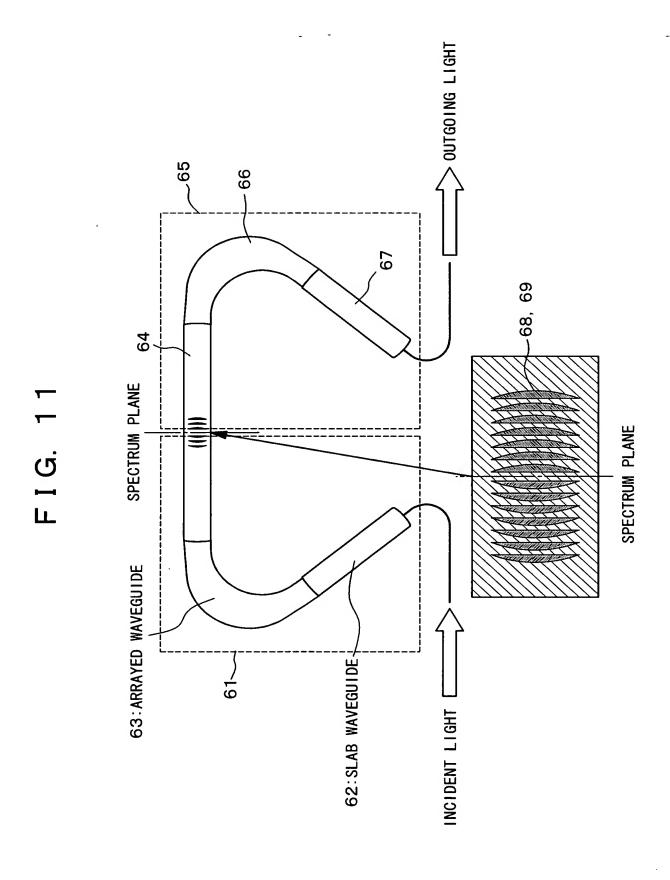


FIG. 10





SPECTRUM PLANE 75 SPECTRUM PLANE 74 FIG. 12 76, 77-73:ARRAYED WAVEGUIDE-72:SLAB WAVEGUIDE INCIDENT AND OUTGOING LIGHT

FIG. 13

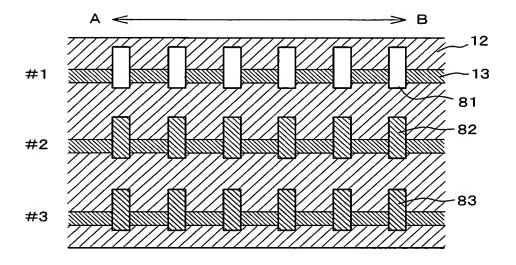


FIG. 14

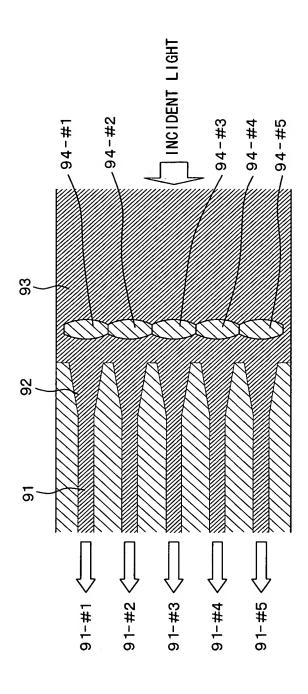


FIG. 15

